

Table 12.5 Methane Emissions, 1985-1998
 (Million Metric Tons of Methane)

Year	Energy Sources					Waste Management			Agricultural Sources					Industrial Processes	Total
	Crude Oil and Natural Gas	Coal Mining	Transportation	Stationary Combustion	Total	Landfills	Wastewater Treatment	Total	Ruminant Animals	Animal Waste	Rice Paddies	Crop Residue Burning	Total		
1985	R5.17	3.88	0.26	R0.82	R10.13	R10.56	0.14	R10.70	5.27	2.64	0.36	0.04	8.31	0.11	R29.25
1986	R5.06	3.73	0.26	R0.81	R9.85	R10.56	0.15	R10.71	5.13	2.58	0.34	0.03	8.09	0.10	R28.74
1987	R5.16	4.01	R0.25	R0.80	R10.22	R10.78	0.15	R10.93	5.08	2.63	0.33	0.03	8.07	0.11	R29.32
1988	R5.31	3.93	0.25	R0.83	R10.31	R10.86	0.15	R11.01	5.10	2.64	0.41	0.03	8.18	0.12	R29.62
1989	R5.47	3.96	R0.25	R0.86	R10.54	R10.93	0.15	R11.08	5.11	2.54	0.38	0.04	8.08	0.12	R29.81
1990	5.70	4.26	0.25	R0.56	R10.77	R10.97	0.15	R11.12	5.17	2.57	0.40	0.04	8.18	0.12	R30.19
1991	5.92	4.12	R0.23	R0.59	R10.86	R10.94	0.15	R11.09	5.30	2.67	0.39	0.04	8.40	0.11	R30.47
1992	5.99	3.97	0.24	R0.62	R10.82	R10.90	0.15	R11.05	5.39	2.69	0.44	0.04	8.56	0.12	R30.55
1993	5.97	3.34	0.24	R0.54	R10.10	R10.86	0.16	R11.01	5.47	2.71	0.40	0.03	8.62	0.12	R29.85
1994	5.99	3.36	R0.24	R0.53	R10.11	R10.74	0.16	R10.90	5.62	2.77	0.47	0.04	R8.91	0.13	R30.05
1995	6.08	3.43	R0.25	R0.58	R10.34	R10.69	0.16	R10.85	5.62	R2.78	0.44	0.03	R8.87	0.13	R30.20
1996	6.10	2.95	R0.24	R0.58	R9.87	R10.54	0.16	R10.70	5.47	2.68	0.40	0.04	R8.60	0.13	R29.30
1997	R6.25	R3.16	0.24	R0.44	R10.09	R10.20	0.16	R10.36	R5.42	R2.79	R0.44	0.04	R8.69	0.13	R29.27
1998P	6.27	3.15	0.24	0.43	10.09	9.70	0.16	9.87	5.41	2.83	0.47	0.04	8.74	0.13	28.84

R=Revised. P=Preliminary.

Notes: • Emissions are from anthropogenic sources. Anthropogenic means produced as the result of human activities, including emissions from agricultural activity and domestic livestock. Emissions from natural sources, such as wetlands and wild animals, are not included. • Estimates of methane emissions are, in general, highly uncertain. The level of precision is probably on the order of 30 to 50 percent. For additional information, see "Appendix C, "Uncertainty in Emission Estimates" in the source report, page 110. • Ruminant animals, such as cattle, buffalo, sheep, goats, and camels, emit methane as a product of the digestive process. • Under certain conditions, methane may be produced via anaerobic decomposition of

organic materials in landfills, animal wastes, and rice paddies. • Because inventory methods for greenhouse gases are currently being developed, data are frequently revised on an annual basis in keeping with the latest findings of the international scientific community. • Totals may not equal sum of components due to independent rounding.

Web Page: <http://www.eia.doe.gov/environment.html>.

Sources: • 1985-1989—Energy Information Administration (EIA), *Emissions of Greenhouse Gases in the United States*, annual reports. • 1990 forward—EIA, *Emissions of Greenhouse Gases in the United States 1998* (October 1999), Table 15.